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No 3

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A dissertation
on
Aproplexia

by Solomon Williams

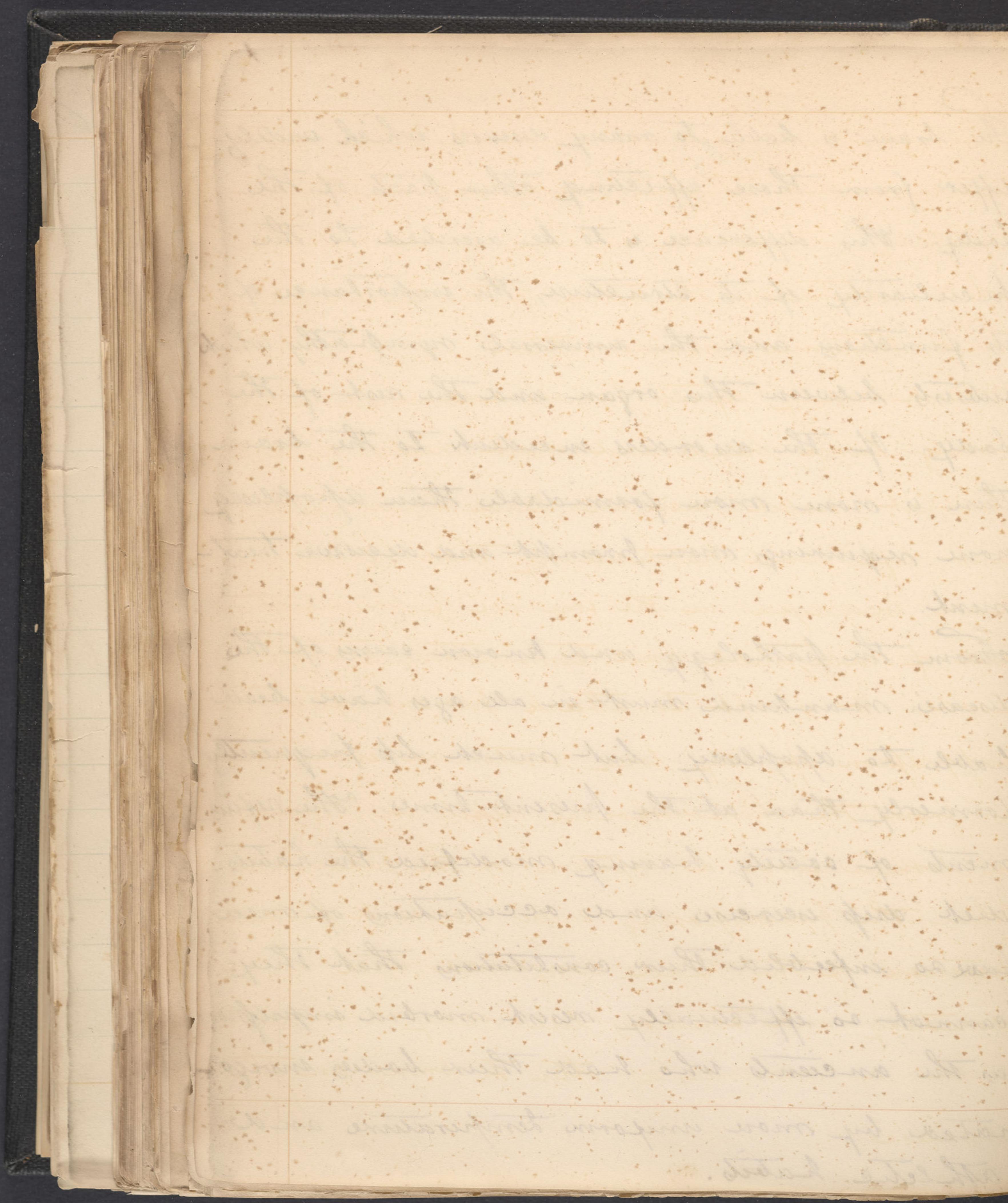
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The brain is liable to many diseases which widely differ from those affecting other parts of the body. This difference is to be ascribed to the peculiarity of its structure, the importance of its functions and the universal sympathy which subsists between this organ and the rest of the body. Of the disorders incident to the brain there is none more formidable than apoplexy, none requiring more prompt and decisive treatment.

From the pathology and known causes of the disease, mankind must in all ages have been liable to apoplexy: but much less frequently formerly than at the present time. The refinements of society having modified the habits, diet, dress exercise, and occupations of men have so enfeebled their constitutions that they cannot so effectually resist morbid impressions as the ancients who had their bodies invigorated by more uniform temperature and athletic habits.



Aphoplexy is a disease in which the whole of the external and internal senses, and all the voluntary motions are in some degree abolished, while respiration, the action of the heart and arteries continue uninterrupted.

It commonly affects persons advanced in age, having large heads and short necks, of a corpulent habit, and who have lived an indolent life, and particularly those persons who have indulged in the free use of ardent spirits, and of indigestible and stimulating articles of food. It is apt to attack persons after the suppression of any long continued evacuation, as from the hummorrhoidal vesels in men, and in women from a cessation of the catamenia. When the predisposing causes exist, a painful position of the head conjoined with a sedentary and studious life may act in such a manner as often to bring on the disease.

down angle, with the sun about
the middle of the horizon, a
strong wind from the west
and a high, thin, sharp, prismatic
cloud, and the sun, hidden
behind, with a horizontal band of
light passing through it, as if
the prismatic cloud belonged to
the upper portion of the atmosphere
and the lower to the atmosphere
of the earth. The upper atmosphere
was very thin and transparent
and the lower atmosphere
was very dense and opaque.

In some instances it attacks persons without any peculiar conformation of body, of impure habits and no evident predisposition.

From the different seats of the disease it has been properly divided into idiopathic and sympathetic.

When it is a primary affection of the head the attack is most frequently preceded by some precursory symptoms, as giddiness, dimness of sight, drawiness, loss of memory, fattering of the tongue *tinitus aurum* &c.

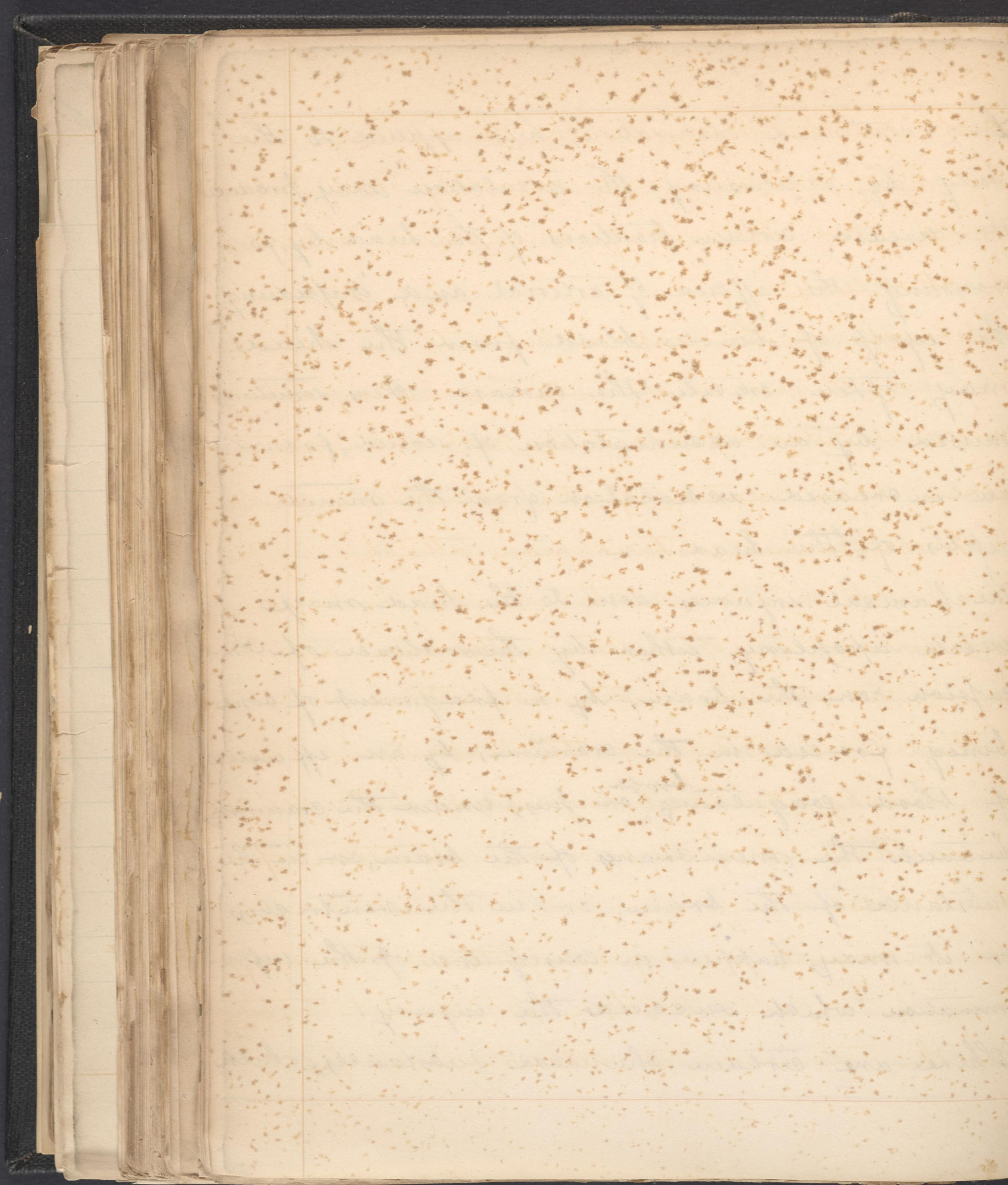
The paroxysm is known by the sudden falling of the patient, at which time the face becomes red and swollen, the veins of the head, the temples, the eyes and the neck appear turgid, the head feels hot the eyelids are half open and rigid, the eyes are prominent and fixed, with a dilatation of the pupils. Respiration is hurried short and stertorous.

the pulse is quick, full, slow, and strong - In some instances a grinding of the teeth and among the most distinguishing symptom is a deep coma. When these symptoms continue for a time, the pulse becomes languid the respiration more laborious until it ceases altogether. In sympathetic apoplexy the attack is more gradual, it is preceded by frequent fits of insomnium, the face is pale and often swollen, the pupils of the eyes are either dilated, or contracted, the veins are depressed, the pulse is weak irregular and intermittent, respiration is laborious and sterorous, the surface of the body is cold and flaccid exhibiting a prostration of the powers of the system. - The exciting causes of idiopathic apoplexy are those which cause a determination of blood to the vessels of the head as violent passions of the mind as joy anger &c.

Long continued inspiration, heat applied to the body by accelerating the circulation may produce the disease, certain positions of the head by favoring the afflux of arterial and impeding the egress of venous blood from the head may often excite the disease. It is sometimes caused by an accumulation of serum, from an increased exhalation from the minute vessels of the head.

Mechanical injuries done to the head may excite apoplexy, either by the violence of concussion on the brain, by a fragment of bone being forced in the cranium, by an effusion of blood coagulating ^{lump} or pus, under the cranium between the membranes of the brain, or in the substance of the brain, or in the ventricles, or it may happen in consequence of the inflammation which succeeds the injury.

There are certain chemical substances, which

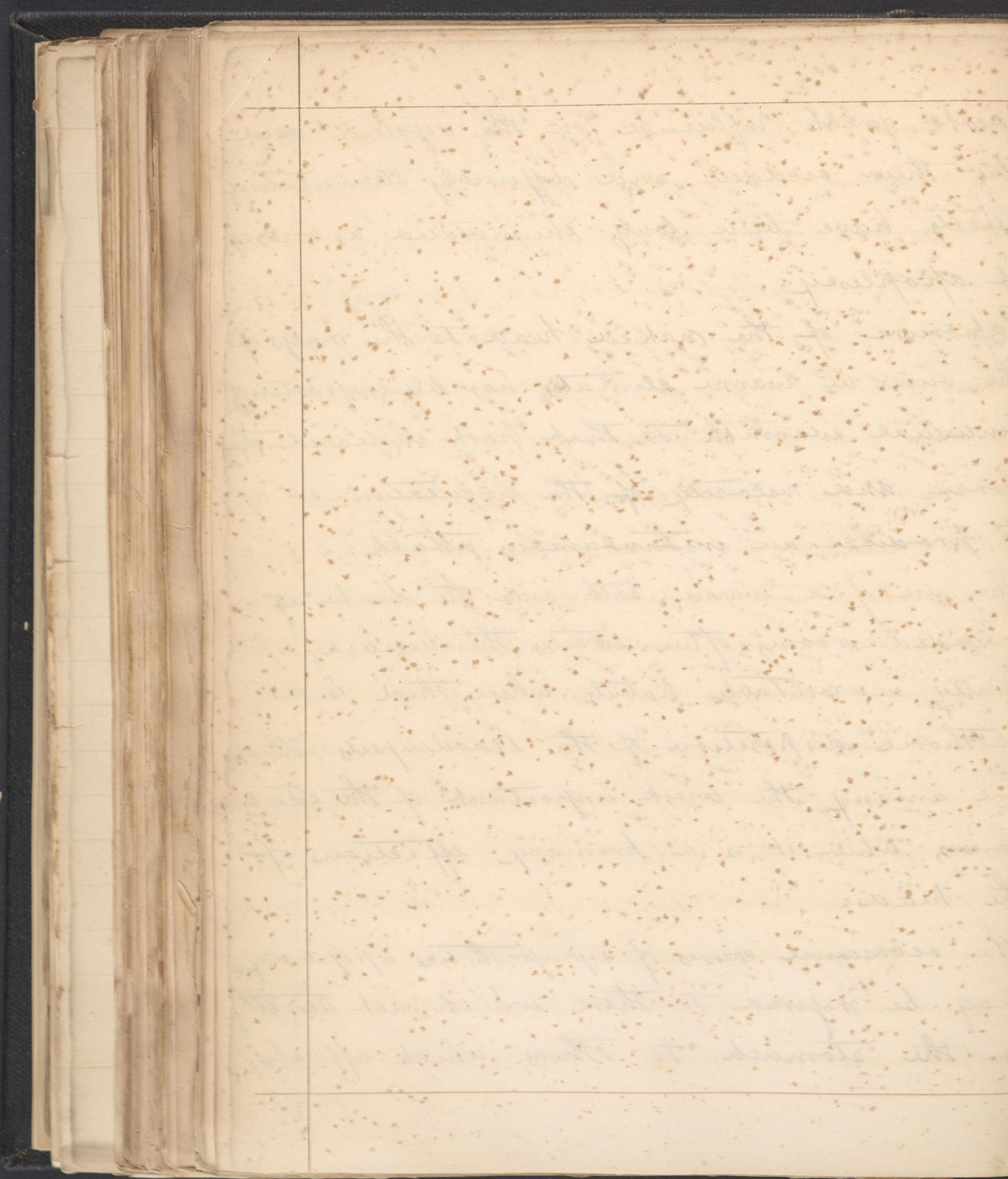


exert great influence on the system and by their sudden and diffusely stimulating effect, have been long enumerated as causes of apoplexy.

Exposure of the naked head to the rays of the sun in warm climates, has by imparting unusual warmth to that part increased the force and velocity of the circulation, so as to produce an instantaneous attack.

The use of a warm bath and the heat of a crowded room, often excites the disease, especially in irritable habits, where there is a plethoric disposition of the bloodvessels. These are among the most important of the exciting causes, when it is a primary affection of the head.

The occasional causes of sympathetic apoplexy may be referred to those which act directly on the stomach, to others which affect



it through the medium of some part, or of the whole system, and from its indissoluble association with the brain, causes a reaction in that viscus as to disturb its functions and thence to produce apoplexy.

Among the most frequent of the exciting causes which ^{act} directly on the stomach, may be ranked mechanical distension from an accumulation of food, the swallowing of indigestible articles, drinking too copious a draught of ardent spirits, or by taking some powerful narcotic into the stomach.

Of the causes which secondarily affect the stomach and by that means the brain may be enumerated certain diseased conditions of the liver, the uterus, and intestinal canal.

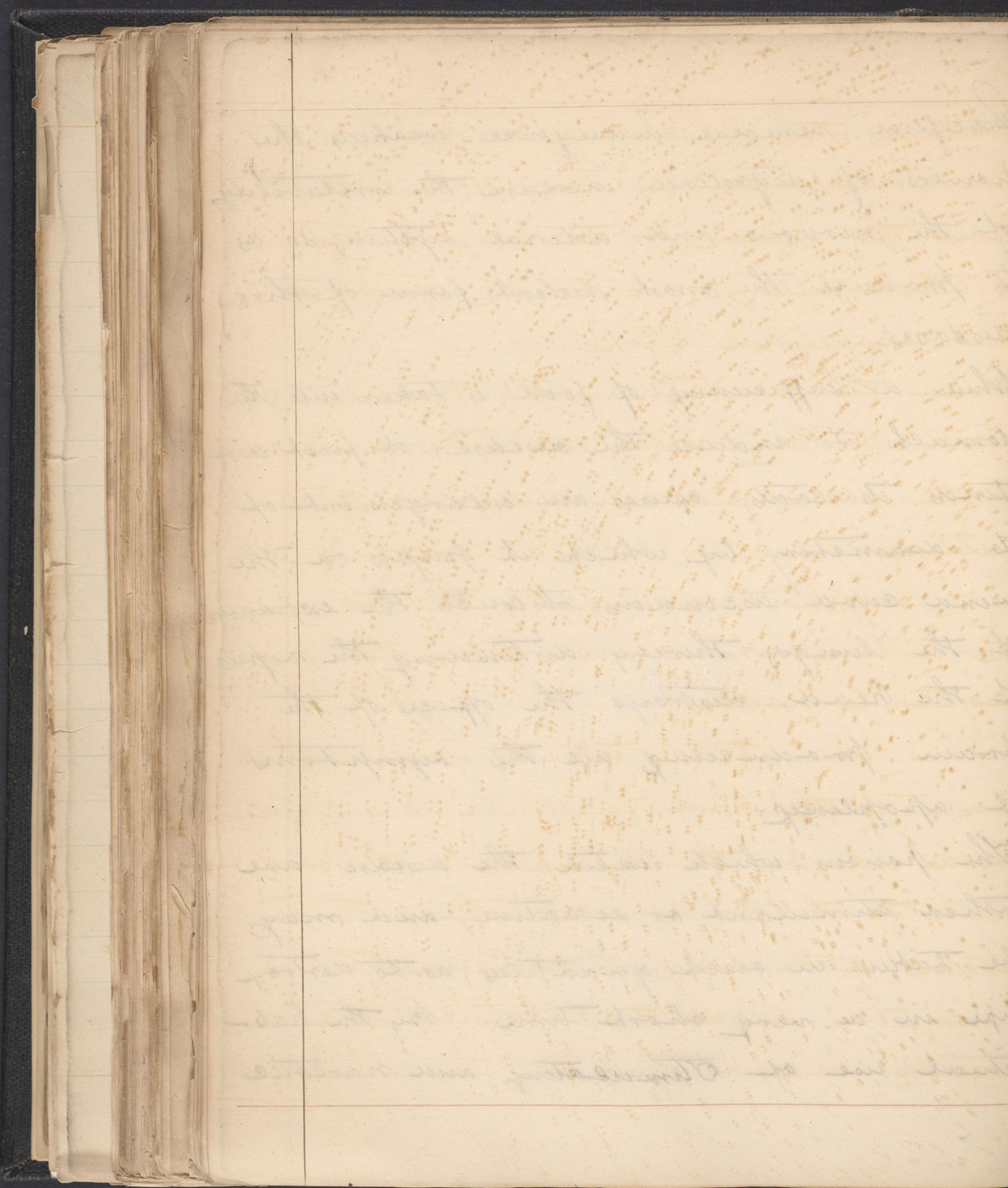
A gouty diathesis of the constitution by its concomitant gastric derangement, is not an uncommon cause of this species of apoplexy.

and the ¹ ² ³ ⁴ ⁵ ⁶ ⁷ ⁸ ⁹ ¹⁰ ¹¹ ¹² ¹³ ¹⁴ ¹⁵ ¹⁶ ¹⁷ ¹⁸ ¹⁹ ²⁰ ²¹ ²² ²³ ²⁴ ²⁵ ²⁶ ²⁷ ²⁸ ²⁹ ³⁰ ³¹ ³² ³³ ³⁴ ³⁵ ³⁶ ³⁷ ³⁸ ³⁹ ⁴⁰ ⁴¹ ⁴² ⁴³ ⁴⁴ ⁴⁵ ⁴⁶ ⁴⁷ ⁴⁸ ⁴⁹ ⁵⁰ ⁵¹ ⁵² ⁵³ ⁵⁴ ⁵⁵ ⁵⁶ ⁵⁷ ⁵⁸ ⁵⁹ ⁶⁰ ⁶¹ ⁶² ⁶³ ⁶⁴ ⁶⁵ ⁶⁶ ⁶⁷ ⁶⁸ ⁶⁹ ⁷⁰ ⁷¹ ⁷² ⁷³ ⁷⁴ ⁷⁵ ⁷⁶ ⁷⁷ ⁷⁸ ⁷⁹ ⁸⁰ ⁸¹ ⁸² ⁸³ ⁸⁴ ⁸⁵ ⁸⁶ ⁸⁷ ⁸⁸ ⁸⁹ ⁹⁰ ⁹¹ ⁹² ⁹³ ⁹⁴ ⁹⁵ ⁹⁶ ⁹⁷ ⁹⁸ ⁹⁹ ¹⁰⁰ ¹⁰¹ ¹⁰² ¹⁰³ ¹⁰⁴ ¹⁰⁵ ¹⁰⁶ ¹⁰⁷ ¹⁰⁸ ¹⁰⁹ ¹¹⁰ ¹¹¹ ¹¹² ¹¹³ ¹¹⁴ ¹¹⁵ ¹¹⁶ ¹¹⁷ ¹¹⁸ ¹¹⁹ ¹²⁰ ¹²¹ ¹²² ¹²³ ¹²⁴ ¹²⁵ ¹²⁶ ¹²⁷ ¹²⁸ ¹²⁹ ¹³⁰ ¹³¹ ¹³² ¹³³ ¹³⁴ ¹³⁵ ¹³⁶ ¹³⁷ ¹³⁸ ¹³⁹ ¹⁴⁰ ¹⁴¹ ¹⁴² ¹⁴³ ¹⁴⁴ ¹⁴⁵ ¹⁴⁶ ¹⁴⁷ ¹⁴⁸ ¹⁴⁹ ¹⁵⁰ ¹⁵¹ ¹⁵² ¹⁵³ ¹⁵⁴ ¹⁵⁵ ¹⁵⁶ ¹⁵⁷ ¹⁵⁸ ¹⁵⁹ ¹⁶⁰ ¹⁶¹ ¹⁶² ¹⁶³ ¹⁶⁴ ¹⁶⁵ ¹⁶⁶ ¹⁶⁷ ¹⁶⁸ ¹⁶⁹ ¹⁷⁰ ¹⁷¹ ¹⁷² ¹⁷³ ¹⁷⁴ ¹⁷⁵ ¹⁷⁶ ¹⁷⁷ ¹⁷⁸ ¹⁷⁹ ¹⁸⁰ ¹⁸¹ ¹⁸² ¹⁸³ ¹⁸⁴ ¹⁸⁵ ¹⁸⁶ ¹⁸⁷ ¹⁸⁸ ¹⁸⁹ ¹⁹⁰ ¹⁹¹ ¹⁹² ¹⁹³ ¹⁹⁴ ¹⁹⁵ ¹⁹⁶ ¹⁹⁷ ¹⁹⁸ ¹⁹⁹ ²⁰⁰ ²⁰¹ ²⁰² ²⁰³ ²⁰⁴ ²⁰⁵ ²⁰⁶ ²⁰⁷ ²⁰⁸ ²⁰⁹ ²¹⁰ ²¹¹ ²¹² ²¹³ ²¹⁴ ²¹⁵ ²¹⁶ ²¹⁷ ²¹⁸ ²¹⁹ ²²⁰ ²²¹ ²²² ²²³ ²²⁴ ²²⁵ ²²⁶ ²²⁷ ²²⁸ ²²⁹ ²³⁰ ²³¹ ²³² ²³³ ²³⁴ ²³⁵ ²³⁶ ²³⁷ ²³⁸ ²³⁹ ²⁴⁰ ²⁴¹ ²⁴² ²⁴³ ²⁴⁴ ²⁴⁵ ²⁴⁶ ²⁴⁷ ²⁴⁸ ²⁴⁹ ²⁵⁰ ²⁵¹ ²⁵² ²⁵³ ²⁵⁴ ²⁵⁵ ²⁵⁶ ²⁵⁷ ²⁵⁸ ²⁵⁹ ²⁶⁰ ²⁶¹ ²⁶² ²⁶³ ²⁶⁴ ²⁶⁵ ²⁶⁶ ²⁶⁷ ²⁶⁸ ²⁶⁹ ²⁷⁰ ²⁷¹ ²⁷² ²⁷³ ²⁷⁴ ²⁷⁵ ²⁷⁶ ²⁷⁷ ²⁷⁸ ²⁷⁹ ²⁸⁰ ²⁸¹ ²⁸² ²⁸³ ²⁸⁴ ²⁸⁵ ²⁸⁶ ²⁸⁷ ²⁸⁸ ²⁸⁹ ²⁹⁰ ²⁹¹ ²⁹² ²⁹³ ²⁹⁴ ²⁹⁵ ²⁹⁶ ²⁹⁷ ²⁹⁸ ²⁹⁹ ³⁰⁰ ³⁰¹ ³⁰² ³⁰³ ³⁰⁴ ³⁰⁵ ³⁰⁶ ³⁰⁷ ³⁰⁸ ³⁰⁹ ³¹⁰ ³¹¹ ³¹² ³¹³ ³¹⁴ ³¹⁵ ³¹⁶ ³¹⁷ ³¹⁸ ³¹⁹ ³²⁰ ³²¹ ³²² ³²³ ³²⁴ ³²⁵ ³²⁶ ³²⁷ ³²⁸ ³²⁹ ³³⁰ ³³¹ ³³² ³³³ ³³⁴ ³³⁵ ³³⁶ ³³⁷ ³³⁸ ³³⁹ ³⁴⁰ ³⁴¹ ³⁴² ³⁴³ ³⁴⁴ ³⁴⁵ ³⁴⁶ ³⁴⁷ ³⁴⁸ ³⁴⁹ ³⁵⁰ ³⁵¹ ³⁵² ³⁵³ ³⁵⁴ ³⁵⁵ ³⁵⁶ ³⁵⁷ ³⁵⁸ ³⁵⁹ ³⁶⁰ ³⁶¹ ³⁶² ³⁶³ ³⁶⁴ ³⁶⁵ ³⁶⁶ ³⁶⁷ ³⁶⁸ ³⁶⁹ ³⁷⁰ ³⁷¹ ³⁷² ³⁷³ ³⁷⁴ ³⁷⁵ ³⁷⁶ ³⁷⁷ ³⁷⁸ ³⁷⁹ ³⁸⁰ ³⁸¹ ³⁸² ³⁸³ ³⁸⁴ ³⁸⁵ ³⁸⁶ ³⁸⁷ ³⁸⁸ ³⁸⁹ ³⁹⁰ ³⁹¹ ³⁹² ³⁹³ ³⁹⁴ ³⁹⁵ ³⁹⁶ ³⁹⁷ ³⁹⁸ ³⁹⁹ ⁴⁰⁰ ⁴⁰¹ ⁴⁰² ⁴⁰³ ⁴⁰⁴ ⁴⁰⁵ ⁴⁰⁶ ⁴⁰⁷ ⁴⁰⁸ ⁴⁰⁹ ⁴¹⁰ ⁴¹¹ ⁴¹² ⁴¹³ ⁴¹⁴ ⁴¹⁵ ⁴¹⁶ ⁴¹⁷ ⁴¹⁸ ⁴¹⁹ ⁴²⁰ ⁴²¹ ⁴²² ⁴²³ ⁴²⁴ ⁴²⁵ ⁴²⁶ ⁴²⁷ ⁴²⁸ ⁴²⁹ ⁴³⁰ ⁴³¹ ⁴³² ⁴³³ ⁴³⁴ ⁴³⁵ ⁴³⁶ ⁴³⁷ ⁴³⁸ ⁴³⁹ ⁴⁴⁰ ⁴⁴¹ ⁴⁴² ⁴⁴³ ⁴⁴⁴ ⁴⁴⁵ ⁴⁴⁶ ⁴⁴⁷ ⁴⁴⁸ ⁴⁴⁹ ⁴⁵⁰ ⁴⁵¹ ⁴⁵² ⁴⁵³ ⁴⁵⁴ ⁴⁵⁵ ⁴⁵⁶ ⁴⁵⁷ ⁴⁵⁸ ⁴⁵⁹ ⁴⁶⁰ ⁴⁶¹ ⁴⁶² ⁴⁶³ ⁴⁶⁴ ⁴⁶⁵ ⁴⁶⁶ ⁴⁶⁷ ⁴⁶⁸ ⁴⁶⁹ ⁴⁷⁰ ⁴⁷¹ ⁴⁷² ⁴⁷³ ⁴⁷⁴ ⁴⁷⁵ ⁴⁷⁶ ⁴⁷⁷ ⁴⁷⁸ ⁴⁷⁹ ⁴⁸⁰ ⁴⁸¹ ⁴⁸² ⁴⁸³ ⁴⁸⁴ ⁴⁸⁵ ⁴⁸⁶ ⁴⁸⁷ ⁴⁸⁸ ⁴⁸⁹ ⁴⁹⁰ ⁴⁹¹ ⁴⁹² ⁴⁹³ ⁴⁹⁴ ⁴⁹⁵ ⁴⁹⁶ ⁴⁹⁷ ⁴⁹⁸ ⁴⁹⁹ ⁵⁰⁰ ⁵⁰¹ ⁵⁰² ⁵⁰³ ⁵⁰⁴ ⁵⁰⁵ ⁵⁰⁶ ⁵⁰⁷ ⁵⁰⁸ ⁵⁰⁹ ⁵¹⁰ ⁵¹¹ ⁵¹² ⁵¹³ ⁵¹⁴ ⁵¹⁵ ⁵¹⁶ ⁵¹⁷ ⁵¹⁸ ⁵¹⁹ ⁵²⁰ ⁵²¹ ⁵²² ⁵²³ ⁵²⁴ ⁵²⁵ ⁵²⁶ ⁵²⁷ ⁵²⁸ ⁵²⁹ ⁵³⁰ ⁵³¹ ⁵³² ⁵³³ ⁵³⁴ ⁵³⁵ ⁵³⁶ ⁵³⁷ ⁵³⁸ ⁵³⁹ ⁵⁴⁰ ⁵⁴¹ ⁵⁴² ⁵⁴³ ⁵⁴⁴ ⁵⁴⁵ ⁵⁴⁶ ⁵⁴⁷ ⁵⁴⁸ ⁵⁴⁹ ⁵⁵⁰ ⁵⁵¹ ⁵⁵² ⁵⁵³ ⁵⁵⁴ ⁵⁵⁵ ⁵⁵⁶ ⁵⁵⁷ ⁵⁵⁸ ⁵⁵⁹ ⁵⁶⁰ ⁵⁶¹ ⁵⁶² ⁵⁶³ ⁵⁶⁴ ⁵⁶⁵ ⁵⁶⁶ ⁵⁶⁷ ⁵⁶⁸ ⁵⁶⁹ ⁵⁷⁰ ⁵⁷¹ ⁵⁷² ⁵⁷³ ⁵⁷⁴ ⁵⁷⁵ ⁵⁷⁶ ⁵⁷⁷ ⁵⁷⁸ ⁵⁷⁹ ⁵⁸⁰ ⁵⁸¹ ⁵⁸² ⁵⁸³ ⁵⁸⁴ ⁵⁸⁵ ⁵⁸⁶ ⁵⁸⁷ ⁵⁸⁸ ⁵⁸⁹ ⁵⁹⁰ ⁵⁹¹ ⁵⁹² ⁵⁹³ ⁵⁹⁴ ⁵⁹⁵ ⁵⁹⁶ ⁵⁹⁷ ⁵⁹⁸ ⁵⁹⁹ ⁶⁰⁰ ⁶⁰¹ ⁶⁰² ⁶⁰³ ⁶⁰⁴ ⁶⁰⁵ ⁶⁰⁶ ⁶⁰⁷ ⁶⁰⁸ ⁶⁰⁹ ⁶¹⁰ ⁶¹¹ ⁶¹² ⁶¹³ ⁶¹⁴ ⁶¹⁵ ⁶¹⁶ ⁶¹⁷ ⁶¹⁸ ⁶¹⁹ ⁶²⁰ ⁶²¹ ⁶²² ⁶²³ ⁶²⁴ ⁶²⁵ ⁶²⁶ ⁶²⁷ ⁶²⁸ ⁶²⁹ ⁶³⁰ ⁶³¹ ⁶³² ⁶³³ ⁶³⁴ ⁶³⁵ ⁶³⁶ ⁶³⁷ ⁶³⁸ ⁶³⁹ ⁶⁴⁰ ⁶⁴¹ ⁶⁴² ⁶⁴³ ⁶⁴⁴ ⁶⁴⁵ ⁶⁴⁶ ⁶⁴⁷ ⁶⁴⁸ ⁶⁴⁹ ⁶⁵⁰ ⁶⁵¹ ⁶⁵² ⁶⁵³ ⁶⁵⁴ ⁶⁵⁵ ⁶⁵⁶ ⁶⁵⁷ ⁶⁵⁸ ⁶⁵⁹ ⁶⁶⁰ ⁶⁶¹ ⁶⁶² ⁶⁶³ ⁶⁶⁴ ⁶⁶⁵ ⁶⁶⁶ ⁶⁶⁷ ⁶⁶⁸ ⁶⁶⁹ ⁶⁷⁰ ⁶⁷¹ ⁶⁷² ⁶⁷³ ⁶⁷⁴ ⁶⁷⁵ ⁶⁷⁶ ⁶⁷⁷ ⁶⁷⁸ ⁶⁷⁹ ⁶⁸⁰ ⁶⁸¹ ⁶⁸² ⁶⁸³ ⁶⁸⁴ ⁶⁸⁵ ⁶⁸⁶ ⁶⁸⁷ ⁶⁸⁸ ⁶⁸⁹ ⁶⁹⁰ ⁶⁹¹ ⁶⁹² ⁶⁹³ ⁶⁹⁴ ⁶⁹⁵ ⁶⁹⁶ ⁶⁹⁷ ⁶⁹⁸ ⁶⁹⁹ ⁷⁰⁰ ⁷⁰¹ ⁷⁰² ⁷⁰³ ⁷⁰⁴ ⁷⁰⁵ ⁷⁰⁶ ⁷⁰⁷ ⁷⁰⁸ ⁷⁰⁹ ⁷¹⁰ ⁷¹¹ ⁷¹² ⁷¹³ ⁷¹⁴ ⁷¹⁵ ⁷¹⁶ ⁷¹⁷ ⁷¹⁸ ⁷¹⁹ ⁷²⁰ ⁷²¹ ⁷²² ⁷²³ ⁷²⁴ ⁷²⁵ ⁷²⁶ ⁷²⁷ ⁷²⁸ ⁷²⁹ ⁷³⁰ ⁷³¹ ⁷³² ⁷³³ ⁷³⁴ ⁷³⁵ ⁷³⁶ ⁷³⁷ ⁷³⁸ ⁷³⁹ ⁷⁴⁰ ⁷⁴¹ ⁷⁴² ⁷⁴³ ⁷⁴⁴ ⁷⁴⁵ ⁷⁴⁶ ⁷⁴⁷ ⁷⁴⁸ ⁷⁴⁹ ⁷⁵⁰ ⁷⁵¹ ⁷⁵² ⁷⁵³ ⁷⁵⁴ ⁷⁵⁵ ⁷⁵⁶ ⁷⁵⁷ ⁷⁵⁸ ⁷⁵⁹ ⁷⁶⁰ ⁷⁶¹ ⁷⁶² ⁷⁶³ ⁷⁶⁴ ⁷⁶⁵ ⁷⁶⁶ ⁷⁶⁷ ⁷⁶⁸ ⁷⁶⁹ ⁷⁷⁰ ⁷⁷¹ ⁷⁷² ⁷⁷³ ⁷⁷⁴ ⁷⁷⁵ ⁷⁷⁶ ⁷⁷⁷ ⁷⁷⁸ ⁷⁷⁹ ⁷⁸⁰ ⁷⁸¹ ⁷⁸² ⁷⁸³ ⁷⁸⁴ ⁷⁸⁵ ⁷⁸⁶ ⁷⁸⁷ ⁷⁸⁸ ⁷⁸⁹ ⁷⁹⁰ ⁷⁹¹ ⁷⁹² ⁷⁹³ ⁷⁹⁴ ⁷⁹⁵ ⁷⁹⁶ ⁷⁹⁷ ⁷⁹⁸ ⁷⁹⁹ ⁸⁰⁰ ⁸⁰¹ ⁸⁰² ⁸⁰³ ⁸⁰⁴ ⁸⁰⁵ ⁸⁰⁶ ⁸⁰⁷ ⁸⁰⁸ ⁸⁰⁹ ⁸¹⁰ ⁸¹¹ ⁸¹² ⁸¹³ ⁸¹⁴ ⁸¹⁵ ⁸¹⁶ ⁸¹⁷ ⁸¹⁸ ⁸¹⁹ ⁸²⁰ ⁸²¹ ⁸²² ⁸²³ ⁸²⁴ ⁸²⁵ ⁸²⁶ ⁸²⁷ ⁸²⁸ ⁸²⁹ ⁸³⁰ ⁸³¹ ⁸³² ⁸³³ ⁸³⁴ ⁸³⁵ ⁸³⁶ ⁸³⁷ ⁸³⁸ ⁸³⁹ ⁸⁴⁰ ⁸⁴¹ ⁸⁴² ⁸⁴³ ⁸⁴⁴ ⁸⁴⁵ ⁸⁴⁶ ⁸⁴⁷ ⁸⁴⁸ ⁸⁴⁹ ⁸⁵⁰ ⁸⁵¹ ⁸⁵² ⁸⁵³ ⁸⁵⁴ ⁸⁵⁵ ⁸⁵⁶ ⁸⁵⁷ ⁸⁵⁸ ⁸⁵⁹ ⁸⁶⁰ ⁸⁶¹ ⁸⁶² ⁸⁶³ ⁸⁶⁴ ⁸⁶⁵ ⁸⁶⁶ ⁸⁶⁷ ⁸⁶⁸ ⁸⁶⁹ ⁸⁷⁰ ⁸⁷¹ <sup

Excessive venereal indulgence weakens the powers of digestion, increase the irritability of the nervous and arterial system, so as to produce the most violent form of this disease.

When a sufficiency of food is taken into the stomach to induce the disease, it first distends its coats, causes an enlargement of its diameter, by which it presses on the vena cava ascendens, obstructs the expansion of the lungs, thereby distending the vessels of the head, destroys the office of the brain producing all the symptoms of apoplexy.

The poisons which excite the disease are either stimulant or sedative, and may be taken in such quantities as to destroy life in a very short time. By the habitual use of Stimulating and narcotic

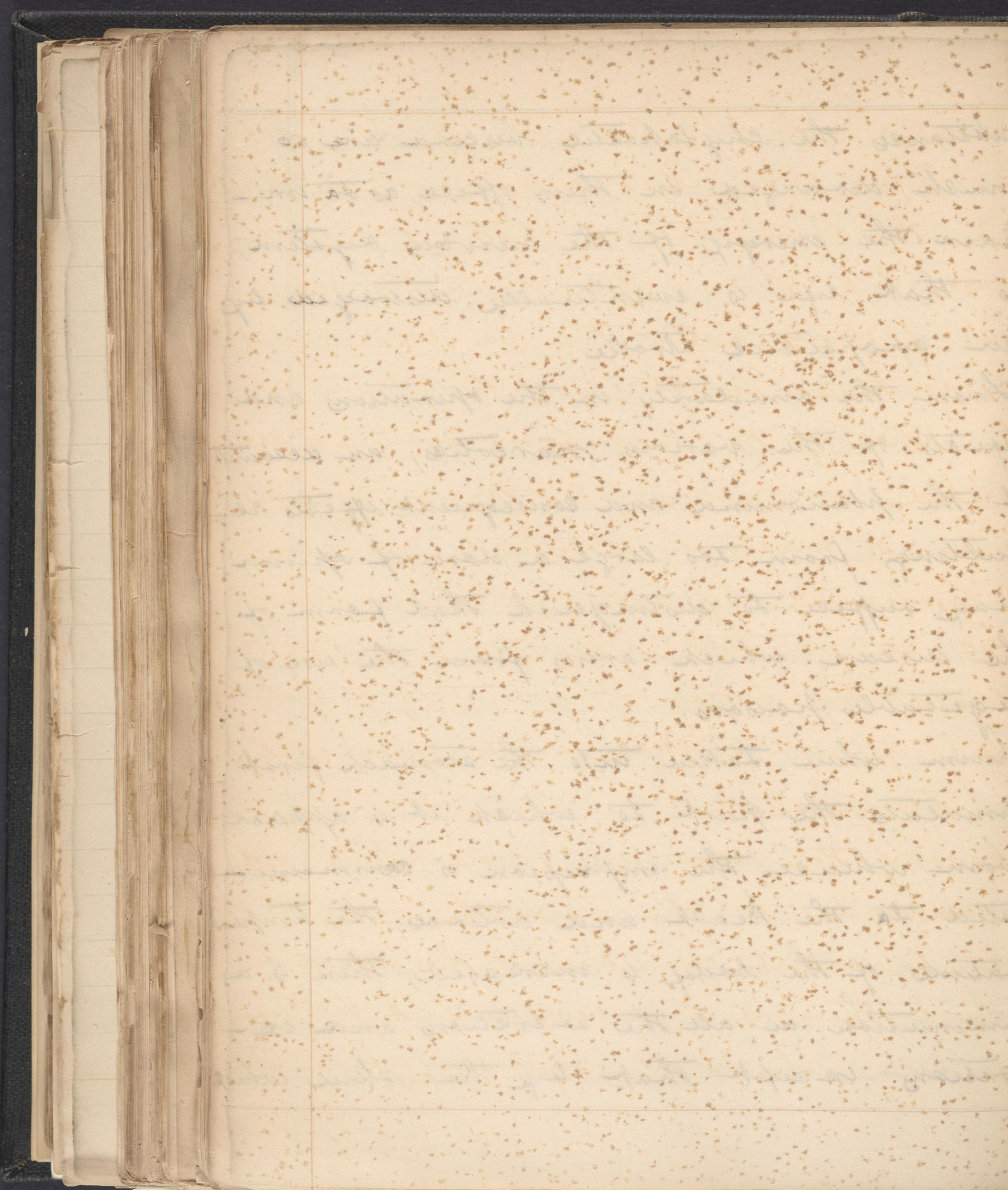


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substances the chylopoetic viscera are so much disengaged in their office, as to impair the energy of the nervous system, so that life is eventually destroyed by an apoplectic stroke.

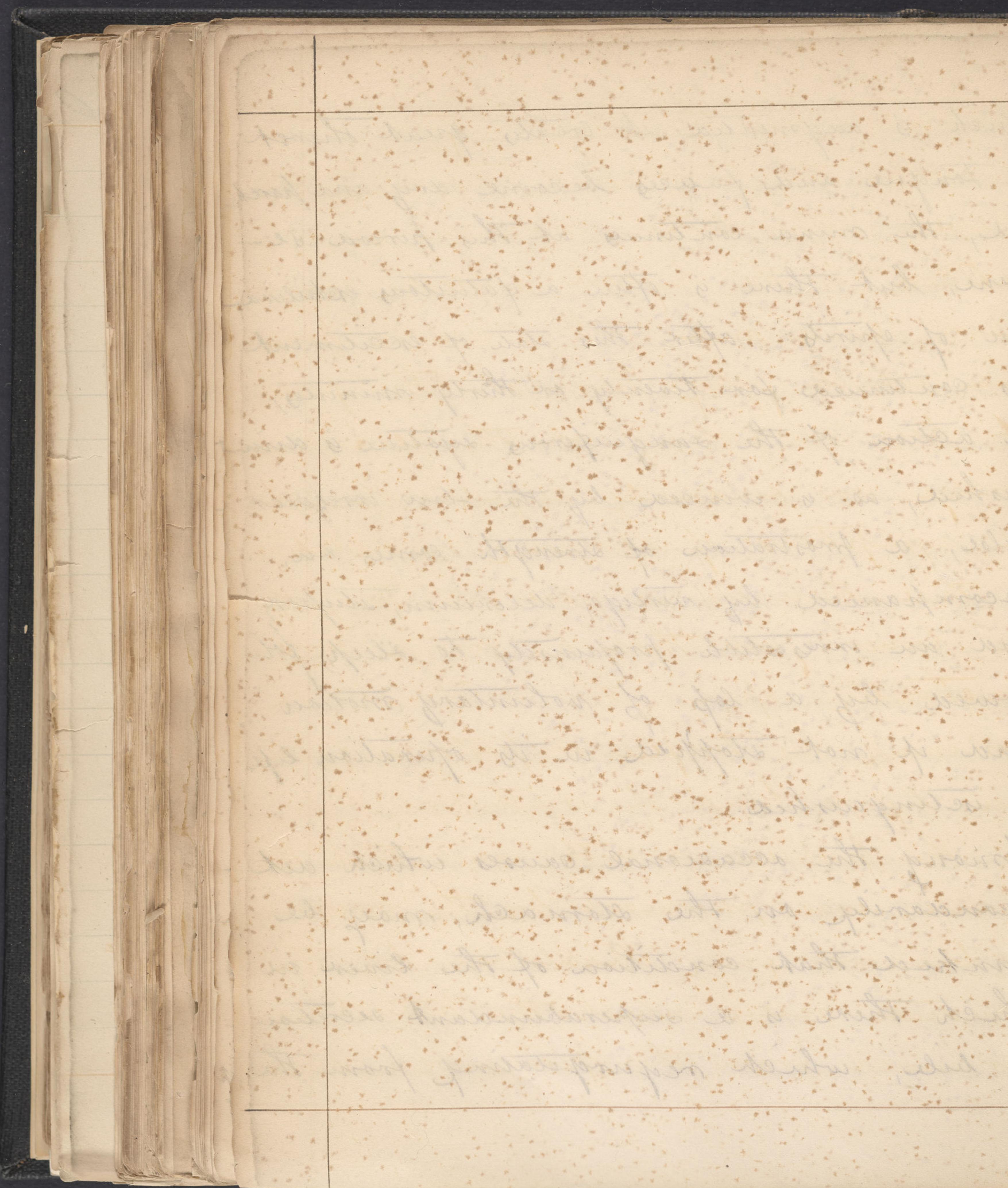
From the similarity in the operations and effects of the various narcotics, on account of the phenomena and consequent effects resulting from too large a dose of opium, may suffice to distinguish that form of the disease which arises from the use of vegetable poisons.

Opium when taken into the stomach first stimulates the part to which it is applied from whence the impression is communicated to the heart and arteries, the temperature of the body is increased, there is a diminution in all the secretions and excretions except that by the skin which

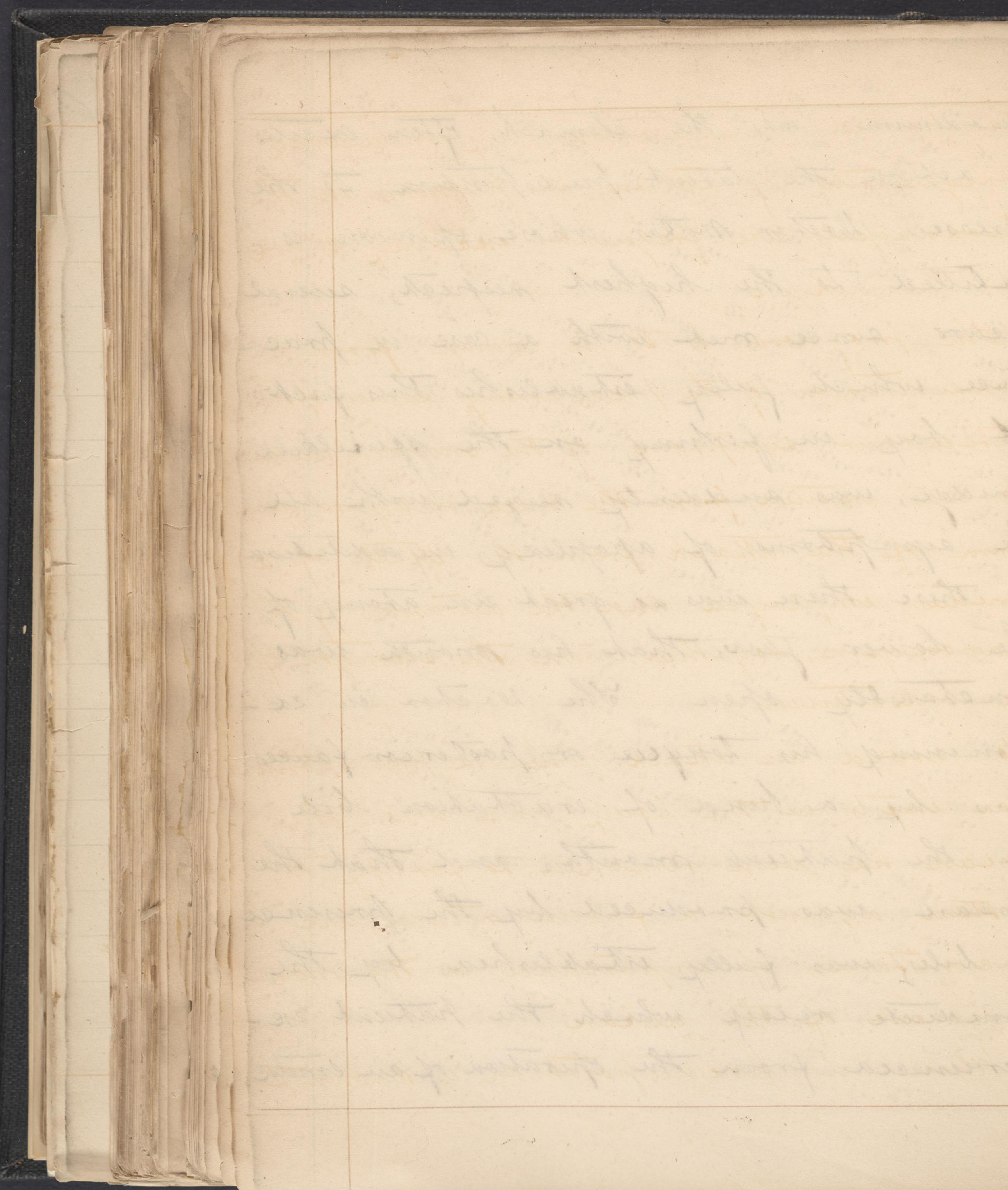


which is augmented, it creates great thirst
the tongue and faaces become dry and parch-
-ed, the mna continues at this perioe se-
-rene, but there is often a fatuous exhilara-
-tion of spirits: after this state of excitement
has continued for twenty or thirty minutes,
the action of the sanguiferous system is di-
-minished, as is witness'd by the slow irregular
pulse, a prostration of strength comes on,
accompanied by vertigo, delirium, stupor,
and an irresistible propensity to sleep, fol-
-lowed by a loss of voluntary motion
and if not stopped in its operation life
is extinguished.

Among the occasional causes which act
secondarily on the stomach, may be
ranked that condition of the liver in
which there is a superabundant secretion
of bile, which reuaginating from the



duodenum into the stomach, often excites to action the latent predisposition to the disease. Doctor Mostar whose opinion is entitled to the highest respect, several years since met with a case in practice which fully establishes this fact. A boy in fishing on the Senekill bridge, was suddenly seized with all the symptoms of apoplexy, in addition to these there was so great an atony of the lower jaw, that his mouth was constantly open. The doctor in examining his tongue or posterior fauces saw by a kind of eructation, bile in the patient's mouth; and that the disease was produced by the presence of bile, was fully established, by the immediate relief which the patient experienced from the operation of an emetic.



Suppressed evacuations by inducing
irregularity of action, or plethora, in the
bloodvessels are frequent exciting causes
of the disease.

The prognosis is to be drawn from a
consideration of the predisposing causes, of the
antecedent symptoms, of the manner in which
it was excited, from the mode or aggravated
form of the attack, from the effects of re-
medies employed and the duration of the
paroxysm, together with the strength of
the constitution.

To avoid an attack when a predisposi-
-tion exists in the body, and when the
disease has been removed, to fortify the
system against a future return, are
circumstances of importance in the man-
-agement of the disease.

When a predisposition is known to

To exist the temperature of the body should be regulated according to the seasons of the year, and every change in the atmosphere, — the diet should be nutritive, and not stimulating and taken in small quantities, at short intervals. the exercise should be moderate, so as to induce respiration, without fatigue, the patient should abstain from all stimulating drinks, and avoid as much as possible mental agitation. After the paroxysm has subsided to prevent the recurrence of an attack, the exciting causes are to be avoided. Every condition of the body which favours a deterrmination of blood to the head must be shunned; overdistension of the sta- mach and constipation of the bowels must be prevented, the mind should be en- gage'd about some amusing employ-

This image shows a page that is severely damaged. The paper is a light cream or off-white color, heavily mottled with numerous small, dark brown spots and larger, irregular stains. The text, which appears to be handwritten in cursive, is completely illegible due to the damage. The overall appearance is that of an old, discarded document.

-playment, so as to suspend the excitability
of the papions and prevent a reaction on
the brain. A free use of Tobacco, by increase-
-ing the irritability of the system, and by
its sedative effects inducing debility, and
increasing the excretion from the salivary
glands should be prohibited, where there
is a constant tendency to a plethoric
state of the vessels in the head, oedems
on the scalp, or spues in the back of the
neck, are highly proper, in every instance
where a fit is threatened bloodletting
is the only remedy on which we can
depend.

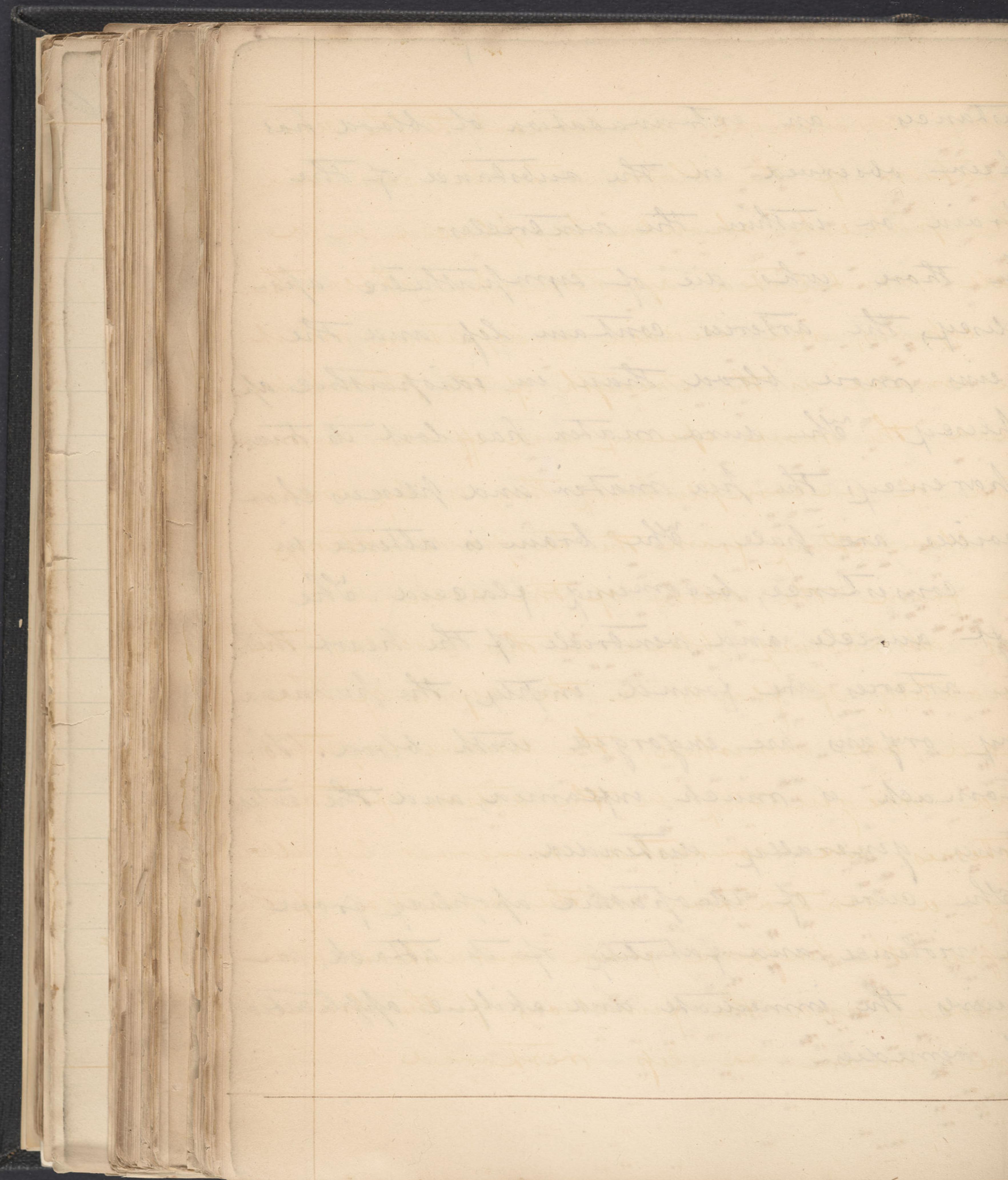
X In dissections of those have died of san-
guineous apoplexy the arteries and veins
of the head have been found in a
state of distension. The sinusses of the brain
have been enlarged, and in many

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instances an extravasation of blood has been observed in the substance of the brain or within the ventricles.

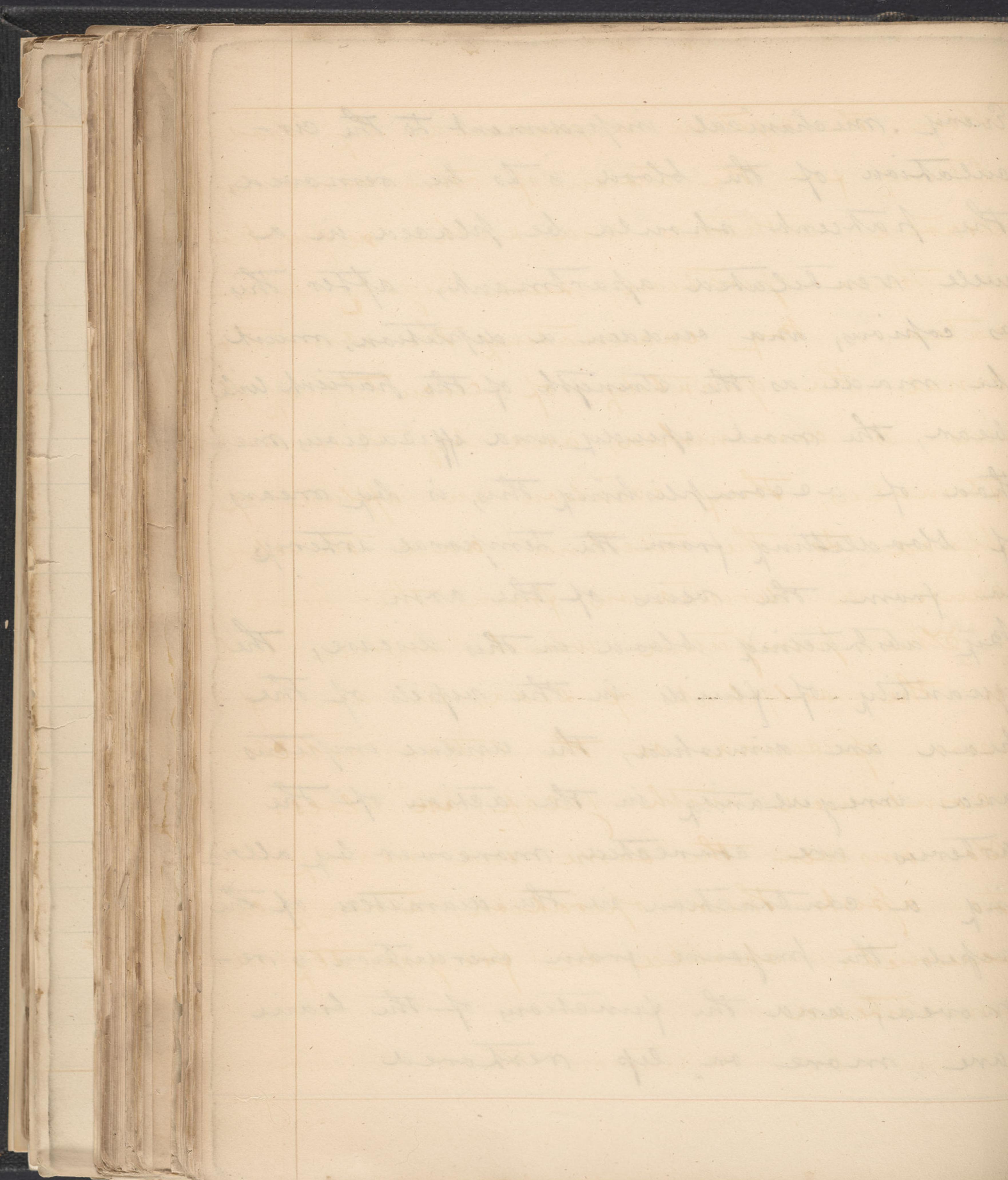
In those who die of sympathetic apoplexy, the arteries contain less and the veins more blood than in idiopathic apoplexy. The dura mater has lost its transparency, the pia mater and plexus choroides are pale. The brain is altered in its consistence, becoming flaccid. The left auricle and ventricle of the heart with the arteries are found empty, the pulmonary organs are engorged with blood. The stomach is much inflamed, and the intestines generally distended.

The cure of idiopathic apoplexy from the violence and fatality of its attack, requires the immediate and skilful application of remedies.



Every mechanical impediment to the circulation of the blood is to be removed, the patient should be placed in a well ventilated apartment, after this as copious, and sudden a depletion, must be made as the strength of the patient will bear, the most speedy and efficacious method of accomplishing this, is by means of bleeding from the temporal artery or from the veins of the arm.

By abstracting blood in this disease, the quantity of fluids in the vessels of the head are diminished, the undue impetus and irregularity in the action of the arteries are corrected, moreover by allowing a contraction in the diameters of the vessels the profuse from overdistension is removed, and the functions of the brain are more or less restored.



After the system is prepared by blood-letting for the action of other remedies drastic cathartics, and such as are quickest in their operation, seem highly indicated. By evacuating the alimentary canal the quantity of circulating fluids is diminished, and by their local stimulus, they occasion an affuse of blood to the intestines, and thereby cause a derivation from the head.

The purgative which answers best is the sulphat of soda, in an infusion of senna or the latter article combined with jalap, are alsoes.

To assist their operation, strong enemata should be frequently administered.

When by depletion the vascular

and company a witness of his
engagement to witness it not until
he had made his withdrawal. I then
said I would meet him without his
knowledge at his residence for the
purpose of withdrawing it from
him with all his documents. He
agreed and we met at his residence
and I told him that he was
now a free man and that he
had no more to do with it
and that it is now of his
choice to keep it or not. I
then handed him his documents
and he said he would not touch it
and I then left him and went to the
station and took a train to New York

system is so much emptied as not to admit of a general lop of blood, the scarification, and cupping, glup to the occiput, with leeches to the temples, by unloading the superficial vessels of the scalp, will prove highly useful.

The hair being removed from the head, a large blister should be applied over the whole of the scalp, and sinapis to the extremities, which by operating as counteractants are very serviceable.

When the patient's strength will admit, an erect posture should be preferred, as it impedes the ascent of arterial, and favours the descent of venous blood: when this is inadmissible the patient should be kept in a recumbent posture, so as not to make pressure on the vessels of the neck.

If these measures are complied with promptly and pursued to a proper extent, they are calculated to do all the good practicable in this form of the disease.

Sympathetic apoplexy as originating from different causes, and occurring often in an opposite state of the system, demands a diversity of remedies. After having premised the loss of blood, which is in many cases admissible and often absolutely necessary, we should immediately resort to emetics, which are indicated from a combination of symptoms which exists in an apoplectic paroxysm, and from the happiest effects resulting from a spontaneous vomiting whenever it has occurred. To remove the exciting causes and equalize the action of the system are the purposes for which they are prescribed.

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When the excitability of the system is such that vomiting can be produced by taking an emetic a large quantity of crude and indigestible matter is vacuated by the operation. At this time a new action is excited in that viscus, by which a healthy tone is restored to it, and by determining the fluids to the surface of the body the lungs are relieved of an accumulation of blood, the respiration is rendered more free and the action of the heart and arteries more natural. By the mechanical effect of vomiting the diaphragm and abdominal muscles in pressing on the liver spleen and pancreas will often propell the accumulation of blood from these parts and thus remove obstruction which are often the primary link of the numerous morbid associations on which the disease depends.

The safety and utility of vomiting in apoplexy is evinced from their superior efficacy in mania *Pneumentia*, a disease which originates from the same cause, expends its violence on the same parts, affects persons of the same temperament and observes the same periodical returns. It is one in which the vascular system is in a manner similarly affected, as is characterized by the depressed condition of the pulse, and an undue determination of blood to the head and thoracic viscera.

After the operation of an emetic a cathartic of ~~them~~ submuriat of mercury, and rhubarb, should be given to evacuate the alimentary canal, more thoroughly, and thereby remove a source of much irritation, and to aid its action strong clysters should be administered. Blisters and emetics should be applied and where one side is particularly affected they should be placed on that which is least injured.

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at this period of the disease local bleeding is necessary and when apoplexy has come on in consequence of a suspension of hemorrhoids, or epistaxis, the application of leeches to the nostrils, or hemorrhoidal vessels, should not be neglected.

The exciting cause of the disease being removed, from the effects of pain and the use of the various ^{remedies} the system will be found in many instances reduced below the standard of health. In this state Tonics will be found indispensable, especially in that species of the disease which is consequent, to the use of stimulating drinks, and they should be graduated so as to invigorate the system, without inducing plethora. The Tonics which answer this indication best are the quapia, columbo, gentian, or the chalybeate preparations, in combination with rhubarb.

When the disease has arisen in consequence of opium or any other narcotic being taken into the stomach, the matter should be evacuated as soon as possible which may sometimes be done either with a large dose of the Sulphat of zinc - Galvanized antimony, or Specacuanha or by titillation of the posterior fauces with a feather. When from the exhausted vitality of the stomach, these measures fail, an instrument which has been introduced into practice in the United States by Doctor P. S. Physick, may be employed to extract Laudanum, or any poisonous substance, from the stomach: after which health may be restored by means of stimulants accommodated to the excitability of the system. The carbonat of ammonia, or brandy and water injected into the stomach, are very proper remedies, clysters of Turpentine,

X
and gum araback, are in this state very
useful. Tractions and stripes, together with
sinapisms, blisters and warm fomentations,
by acting as excitants, are doublep efficac-
ious remedies in this atomic condition of
the body.

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of man with us a good and
good thing man does not want
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not want man to go to hell

